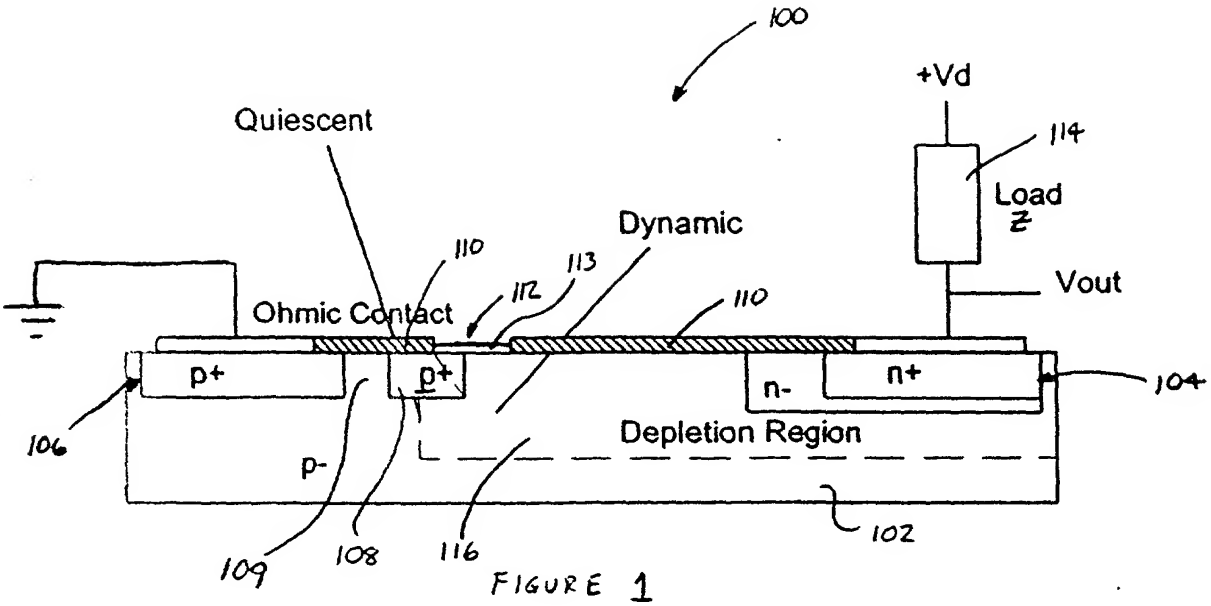


FIGURE 1

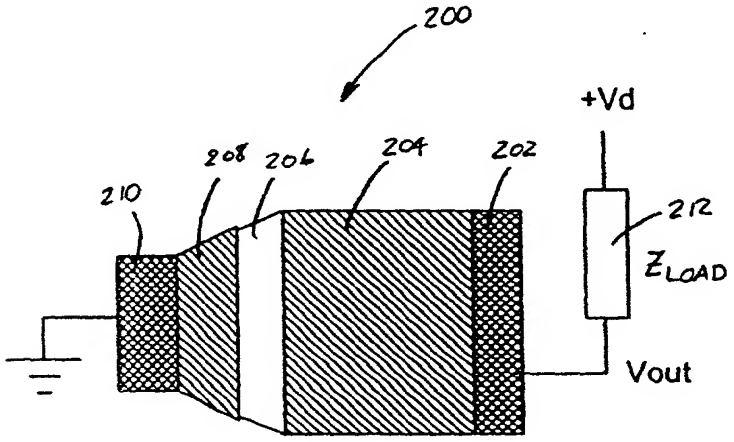


FIGURE 2

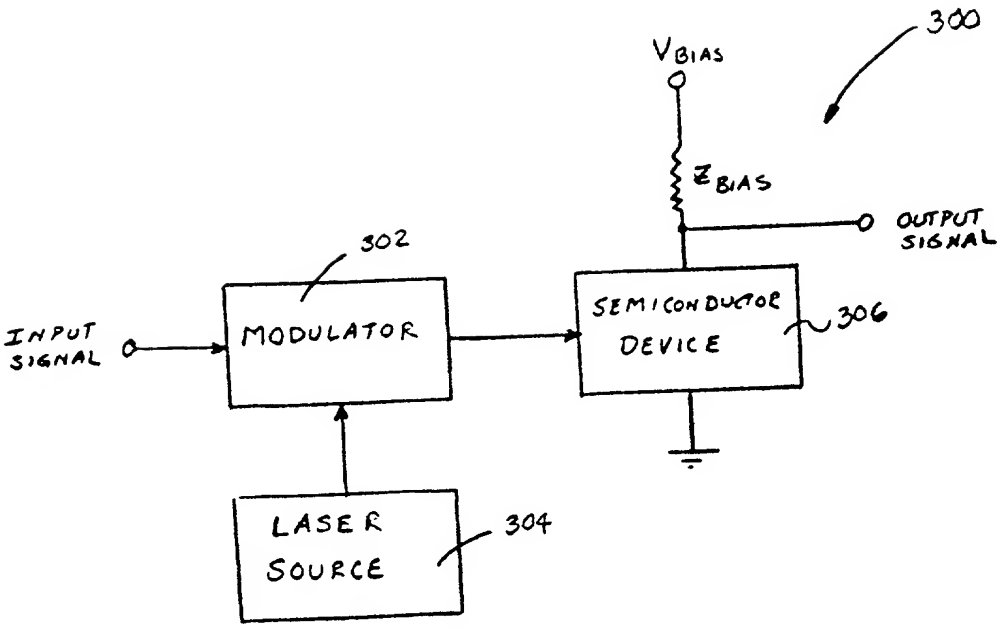
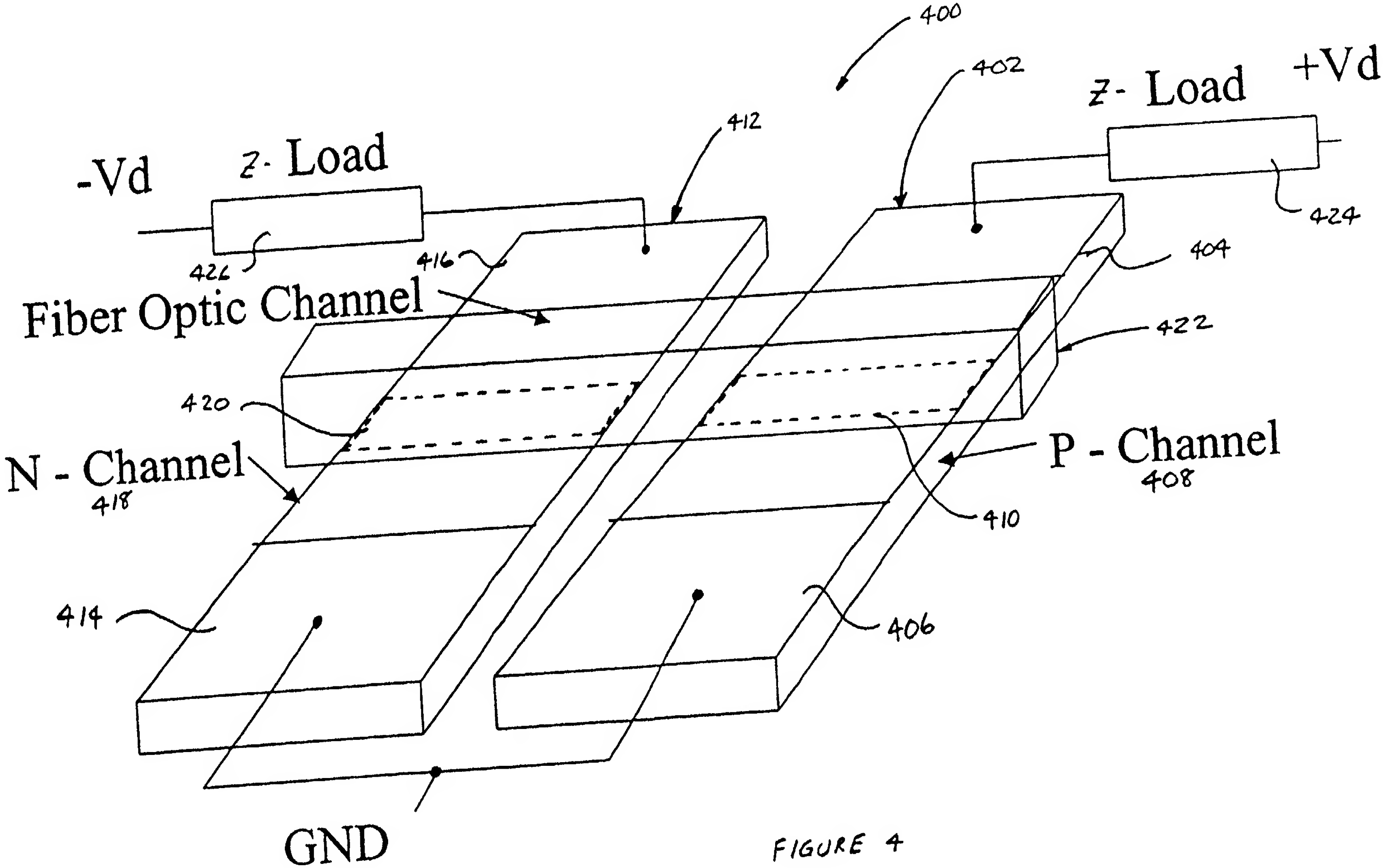

300
V_{BIAS}
Z_{BIAS}
OUTPUT SIGNAL
302
INPUT SIGNAL
MODULATOR
SEMICONDUCTOR DEVICE
306
LASER SOURCE
304

FIGURE 3



400
402
+Vd
Z- Load
424
412
-Vd
Z- Load
422
416
404
Fiber Optic Channel
422
420
N - Channel
418
P - Channel
408
410
414
406
GND

FIGURE 4

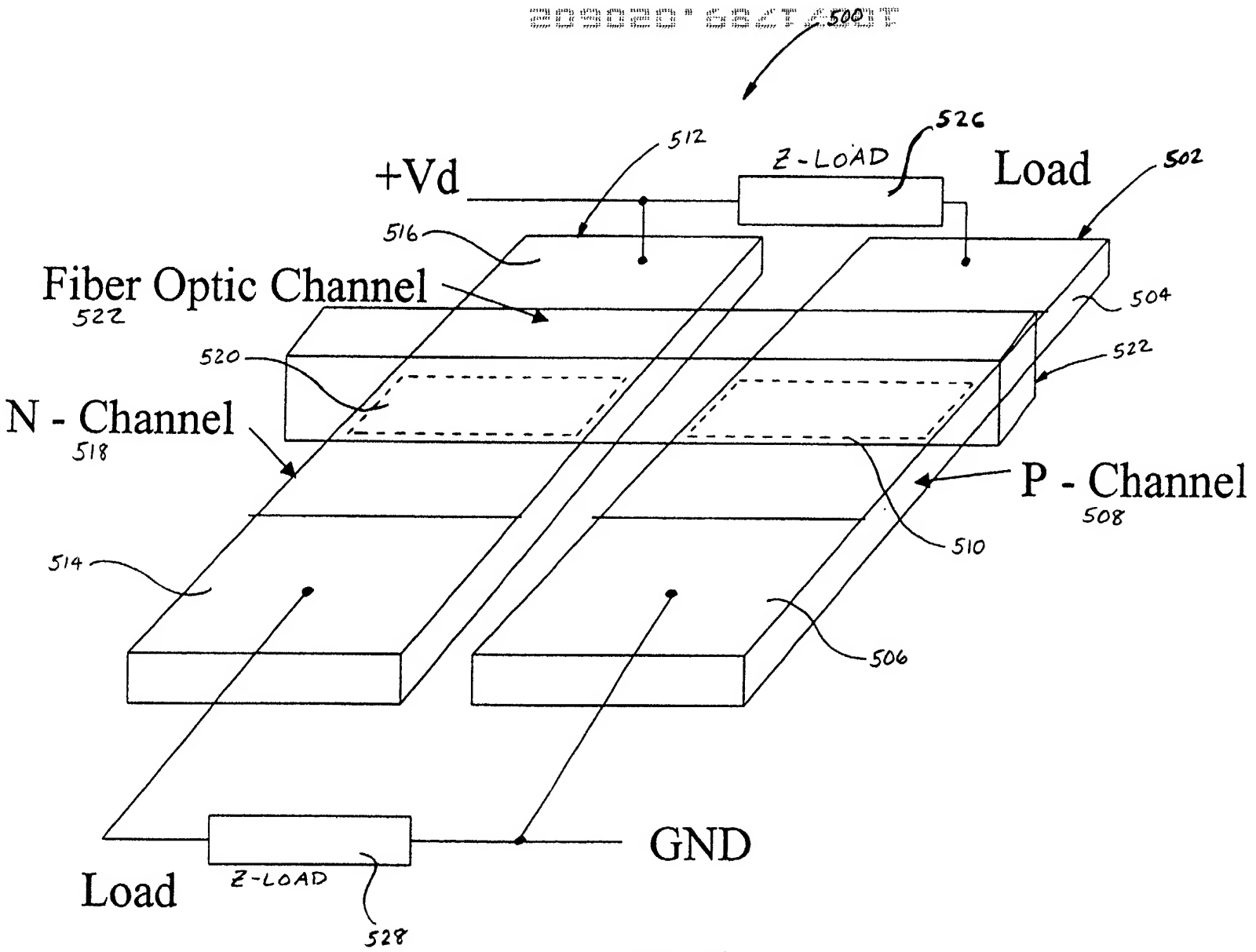

500
512
526
Z-LOAD
+Vd
Load
502
516
Fiber Optic Channel
522
504
520
522
N - Channel
518
P - Channel
508
510
514
506
GND
Load
Z-LOAD
528

FIGURE 5

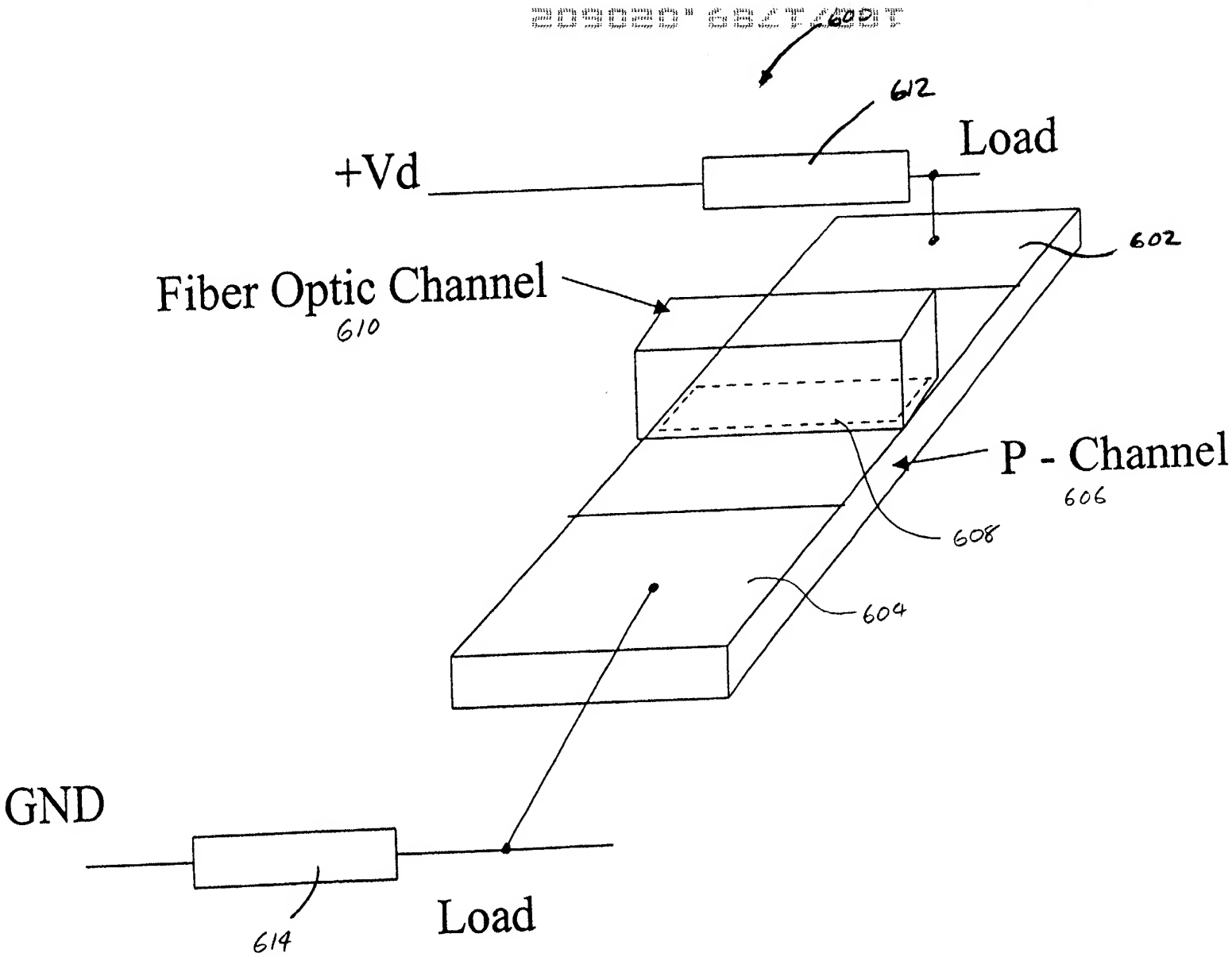

612
Load
+Vd
602
Fiber Optic Channel
610
P - Channel
606
608
604
GND
614
Load

FIGURE 6